

BPN

BUTANE-PROPANE NEWS
Propane industry publications since 1939

ANNUAL INDEX

ACQUISITIONS

Acquisitions Remain Popular	Feb. 32
Columbia Acquires ZerGas	July 9
Consolidated Industries Is Purchased	March 17
Cornerstone IPO	March 14
Cornerstone Propane Acquires Flame, Graves	Feb. 14
DESA To Acquire Fireplace Manufacturers	May 16
Dowdle Gas With Four Acquisitions	April 26
Energetix Acquires Griffith Energy	June 12
EOTT Purchases Koch Assets	Nov. 10
Ferrellgas Acquires A-One Propane	Dec. 15
Harsco Corp. Acquires Chemi-Trol Chemical	March 17
Heritage Acquires Propane Gas (Ferndale)	April 80
Heritage Acquires Rural	June 16
Hicks Gas Purchases Midwest	Nov. 10
International Rail Merge Proposed	Sept. 10
Johnson & Dix Acquires Corbett Oil	April 80
Meteor Industries Acquires Tri-Valley Gas	April 22
Nobel Insurance Bought by RenaissanceRe	Feb. 14
Northern States Power Gets Black Mountain	April 28
Paraco Finalizes Five-Year Credit Deal	March 10
Paraco Gas Acquires Dover Propane	Jan. 16
Petro Source Sells to Texon	Sept. 16
PP&L Acquires Penn Fuel	Oct. 12
Propane Continental, Cornerstone Combine	Dec. 14
Shareholders Okay MAPCO, Williams Merger	April 20
Star Gas Acquires Como Gas	June 16
Suburban Acquires Steele Rulane and Liberty	April 16
Sunbeam Buys Coleman	April 18
Taylor-Wharton Acquires EFI	April 80
TECO Energy Acquires Griffis Gas	March 14
Turner Gas Acquires Nevada Rail Terminal	April 22
Ultramar, Koch Join Operations	Nov. 9
UPR Acquires Norcen	April 28
UPR to Acquire Norcen Energy	March 12
Washington Gas Sells Propane Assets	June 14
Williams, MAPCO Complete Merger	May 15
Young's Propane Joins Heritage	Dec. 14

APPLIANCES

1998 Hearth Products	Aug. 23
Barbecue Grills and Accessories for 1998	Feb. 28
Build Load With Construction Heaters	Aug. 26
Catalytic Combustors Improve Efficiency	Aug. 22
Emissions Limits for Hearth Products Seen	May 18
Factory-Reconditioned Heaters	Aug. 30
Good Installation, Customer Info Vital	Aug. 21
Grill Quality the Strongest Selling Point	Feb. 27
Grilling Is No "BEEG" Deal, Chef Tell Says	Feb. 31
Grills Offer Opportunity for Propane Sellers	Feb. 25
Hearth Product Info on the Internet	Aug. 26
Houses As Air Handling Systems	Aug. 17
Sears Honors Char-Broil	Aug. 14
Sunbeam Grillmaster Gas Grill Recall	Sept. 18
Trend Toward High Quality Grills	Feb. 25
Troubleshooting Direct-Vent Appliances	Aug. 19
Understanding Makes Grill Customers Happier	Feb. 26
Vent-Free Legal in New York	Aug. 31
Warming Up to Gas Air Conditioners	April 72
Whirlpool Appliance Operating Costs	Jan. 16

BEYOND THE MAINS

A Consolidation Winter?	March 3
A Little More Year 2000	July 3

A Modest Proposal	Nov. 3
Hi, Tech!	June 3
Mark That Bench	Feb. 3
May Is for Motor Fuel	May 3
Propane Powers the Entire Home*	Sept. 3
The Origin of Hydrocarbons	Oct. 3
Time to Renew	April 3
Where There Was Smoke	Dec. 3
Wholesalers Still Not Thrilled	Jan. 3

ENERGY SPECTRUM/OTHER FUELS

AQMD Plans LPG Bus Demo	May 12
Beall Companies Forms Blue Ridge Venture	Nov. 12
Converting Sunlight to Electricity	Oct. 43
Cummins Heavy-Duty Propane Engine LEV Certified	Jan. 10
DOE Proposes P-Series Fuel	Sept. 8
Ensign Bill Incentives to Spur AFV Use	April 64
Federal Loans for Rural Electric Co-ops	Feb. 33
Ford Offers Electric Car Incentives	May 20
Global Oil Demand Up in 1997	April 80
Mississippi Co-Op Suit Set for December	Dec. 11
North Carolina Marketers Fight Cooperative	Nov. 17
NPGA Joins Alliance for Fair Energy Competition	April 52
Princeton Patents Gasoline Substitute	March 10
Solar/Propane Power Systems	Oct. 36
State Energy Officials Meet on Issues	April 64
Texas vs Rural Co-op Case	Oct. 10
Wisconsin Marketers Fight Natural Gas	July 25

INDUSTRY PEOPLE

Bill Haliburton Dies	May 42
Industry Leaders Feted	Sept. 27
Len Pakruda, Alabama's Top Regulator	Sept. 48
NPGF Scholarship Tourney Winners	Sept. 30
Retailer Raises Funds for Leukemia	May 53
Smith Pumps' 60th Anniversary	Aug. 46
Tarantini Shoots Hole-in-One	Aug. 33
Three Days in Atlanta	May 28

INTERNATIONAL

British Royal Family Adds LPG Vehicles	Oct. 62
Canadian Strides in Training, Response	Oct. 31
China's Zhangjiagang Terminal Building	April 30
Indian Government Unveils Pricing Policy	Jan. 27
Mexican Retailer Profile	Oct. 25
Mobil Evaluates Qatar North Field	Jan. 27
Moroccan Terminal Planned	April 30
Natural Gas Cut Off in Australia	Nov. 14
Ontario Association Has Training Subsidiary	March 10
PGAC Observes Its 30th Anniversary	Dec. 26
Petro-Canada Plans to Sell ICG	April 20
Petro-Canada/Ultramar Deal Scrutinized	Aug. 14
Philippine Regulatory Environment	April 30
Port Qasim Terminal Planned in Pakistan	Jan. 27
Primagas a World Cup Soccer Supplier	July 10
Saudis Seek Natural Gas	Jan. 27
Strong Latin American Economies Attractive	March 24
Superior to Buy ICG	Aug. 32
TransCanada, Nova Merger Approved	Aug. 13
UGI in China and Romania	Oct. 21
WLGA Tangos in Buenos Aires	Jan. 25

LEGAL AND INSURANCE

1997 in Review	Jan. 33
Accident Investigation	Feb. 38
Blossman Wins South Carolina Verdict	Oct. 44
Courts vs Legislatures: Tort Reform Battle	June 20
Daubert Helps Win Wyoming Case	Dec. 33
Expert Witnesses: Another Step Forward	March 32
Investigating LP-Gas Explosions	April 41
Jarnagin Case: Regulator Makers Gain	July 14
Marketers Progress Against Rural Co-ops	June 34
Model State Law Drafted by NPGA	Jan. 28
New Law Firm Focuses on Gas Defense	Sept. 10
Punititive Damages: Is Once Enough?	Sept. 20
Ranger Insurance Celebrates 75th Anniversary	March 46
Sunbeam Wins Pennsylvania Grill Case	Nov. 15
Thermogas Wins Iowa Odor Fade Verdict	May 38
Two Men on a Truck? A Ray of Hope	April 75
Undocumented Safety Mailing Proves Costly	Aug. 3

MARKETING

AmeriGas Rolls Out PPX Cylinder Exchange	July 20
Builders, Manufactured Home Dealers Need Info	Jan. 29
Chicago Cylinder Refiller Grows	July 23

Columbia Propane Customer Service "CAP"Nov. 27
Customers' Money Could Buy Good Will for YouNov. 18
Hanigan Refills, Consults to Exchangers	July 22
Innovative Approaches Build Load	April 46
Manufactured Housing Organizations to Join	Jan. 31
Marketer Sees Big Exchange Potential	July 26
Maryland LP-Gas Distribution System	March 23
McTier Joins Perfection's Million Dollar Club	June 62
"Modeling" Good for L.A. MarketerNov. 46
Modern Gas Offers Cylinder "Exchange Place"	June 14
New Energy Trading Floor at Williams	May 23
Relationships with Manufactured Home Sellers	Jan. 23
Small Wisconsin Marketer Exchanges	July 30
Top Companies Improved Bobtail Productivity	April 33

MISCELLANEOUS

1998 NPGF Scholarships Awarded	June 18
Alabama Disaster Van Deployed	May 15
AmeriGas Offloads Flipped Bobtail	May 33
Ancient Gassers Urge NPGF Foundation Donors	March 45
Bobtail Hose Issues	Oct. 29
Building a Web Page on a Budget	June 43
Chalkboard Facilitates Electronic Trading	Aug. 28
Cylinder Sales Boom for Worthington	July 17
Ferrellgas Adds New Trucks, Tracks Costs	July 29
Gas Info Booth at Homebuilders Show	March 46
How to Select a Driver	Sept. 44
"King of the Hill" Book Published	Aug. 14
Laptops In Bobtails Are Competitive	June 35
Manchester Tank Sees Rapid Growth	March 27
Market for Gas Air Conditioning Heating Up	Nov. 21
Marketers Recoup with Weather Hedge	June 41
May is National Barbecue Month	May 34
NEED Program Educates about Energy	April 50
Normal Winter in Northern U.S.?	Sept. 35
Northeast Convention Educates	Nov. 30
NPGA Committee May Study Tech	June 40
NPGF and Trinity Auction Tanks	April 94
On-Board Computer Hardware	July 32
Partnering with Remodeling Companies	Nov. 22
Safeguard Against Theft, Shoplifting	Aug. 27
Say Hello La Niña	Sept. 39
Software and Hardware for Marketers	June 29
Tanks Go Underground and In Disguise	Feb. 34
Taylor-Wharton Girds for Future	Nov. 46
Tri-State Propane Teams Up with Warner Bros.	Jan. 46
Try Weather Hedging	Jan. 22
Underground Storage Tanks and Taxes	Jan. 16
What About the Year 2000 Bug?	June 39
Williams Energy Superstore	Jan. 19
WPGA Convention Roundup	Oct. 34

MOTOR FUELS

California, New York Fund AFV Demos	July 10
Canada Propane Motor Fuel Declines	May 32
CARB Lists Diesel Toxic Pollutants	Oct. 10
CHAMP AFV Training Extended	Sept. 14
Cleaning Hong Kong's Air with Taxis	Oct. 62
DOE, EPA Release Conversion Guide	April 10
Eleven 1998 Engines Undergo Testing	April 44
Fleet Manager Likes Propane AFVs	April 61
Florida Coalition Promotes AFVs	May 12
Forklift Users Educate Dealers	Oct. 35
Future of Propane Vehicles in Doubt	May 31
Hybrid Bus That Uses LPG Shows Promise	Nov. 23
Impco and Largest LPG Fleet Battle at EPA	March 29
Impco Contract for Low-Emission LPG Truck	March 13
Impco Opens New Center, Signs With GM	Jan. 35
LPG Industry Cracks Postal Fleet	Feb. 22
New Jersey Governor Okays LPG School Buses	March 9
OEMs Plan More LP Vehicles on Demand	April 49
Propane-Fueled Forklifts "Top Dog"	Nov. 25
PVC Promotes EPACT Revival at DOE	Dec. 19
PVC Says Incentives, Mandates Needed	Sept. 12
PVC Takes Stand on Addendum to 1A	Jan. 11
Refueling Guides	June 62
Riding Mowers Build Load	Feb. 23
San Antonio School Bus Fleet Saves	May 30
Society of Auto Engineers: AF Guidebook	March 17
Southwest Research Insights	May 25
Summit on Industrial Forklift Market Set	April 48
Texas State Fleet Leads in Propane Vehicles	Feb. 21
West Virginia Incentives for AFVs	April 24
Zion Canyon Plans Propane Shuttles	Feb. 40

NEWS

1998: Reemphasizing Regulators' Impact	Dec. 17
1st Propane Offers Franchises	July 27
AllEnergy Markets Unocal Liquids	May 20
Blossman Wins Bid for Tanks	May 54
Blue Rhino Adds OPDs, Distributors	April 39
Blue Rhino Uses New Labels	May 34
Blue Rhino, Star Gas on Exchanges	July 34
Cavagna Opens U.S. Facility	Sept. 70
Columbia Propane Offers Appliance Repair	April 24
Commonwealth Propane Changes Name	May 14
Conoco to Be Sold by DuPont	July 10
Control Instruments Opens a Website	March 31
Corken Trains Distributors	Sept. 70
Cornerstone Paper Rated by Fitch	Oct. 18
DuPont Plans Conoco IPO	Nov. 14
Eagle Tank Opens for Business	March 17
Farmland, Cenex Launch Country Energy	Oct. 16
Ferrellgas Issues \$350 Million in Notes	Aug. 14
First Four 1st Propane Franchises	Nov. 12
Hot Midwestern Topics	June 45
Jotul North America Adds Warehouses	March 31
LIHEAP Gets Added Funds	May 14
LPG Yearbook Offered	July 12
Manchester Tank Opens Internet Site	Oct. 16
Meeder Equipment Builds New Facility	March 17
Midwest Trade Show Space Sells Out	April 24
Monessen Hearth Systems Plans New Plant	March 31
NFPA Ends Fuel Gas Code Cooperation	Feb. 16
Novagas Canada, Suncor NGL Project	April 26
NPGA Adopts Reorganization Plan	March 30
NPGA Board Meeting	Sept. 27
NPGA Dues Adjusted	April 45
NPGA Offers OPD Materials for Public	July 26
NPGA Reorganization Task Force Recommends	Jan. 21
NPGA's Board Wrestles With Top Issues	Dec. 20
Perfection Markets New Riser	July 46
Quarterly Earnings: Multi-States Up	June 50
Retailers Survive Florida Infernos	Aug. 8
Shell Sells Anacortes Refinery	July 9
Southeast Show	June 27
Suburban to Reorganize	May 18
Texas Helps Propane Consumers Pay	April 28
Texas Votes to Rejoin NPGA	Jan. 35
Tosco and Occidental Agree on Elk Hills	April 28
Total Energy Plans to Sell Its Name	April 18
TransCanada, Nova to Merge	March 9
Tri-State Tank Changes Name	Feb. 40
UGI Joins Chinese Venture, Signs Romania	Feb. 37
Ultramar Enters Venture with Petro-Canada	Feb. 18
Warren, Amoco Partner on Belvieu Plant	Feb. 16
Williams Cos. Opens New Trading Floor	April 14
Willis Faber Offers Climatic Protection	Feb. 12
Wisconsin PGA Delivers Tax Cut	Jan. 32

PERC

1999 Budget Out for Comment	Sept. 32
Florida Check-Off Passes	March 14
Funding Proposals Approved	Sept. 32
Industry Asked for Comments on Funding	June 36
Kansas Crafts LPG Foundation	Aug. 11
Kentucky Moving PERC Legislation	March 9
Kentucky PERC Bill Signed	July 46
Nebraska PERC Bill May Be Vetoed	June 13
Nebraska PERC Bill Passes	May 10
Nebraska PERC Gears Up	Jan. 14
PERC Approved Study, Grants	Nov. 30
PERC Fills Top Staff Position	April 70
PERC Gains Momentum	May 37
Propane Council Funds \$2.5 Million in Projects	Dec. 27
Search for PERC's Top Staffer Starts Over	Jan. 28
Texas Marketeer Sees AFRED Caution	Aug. 29
Willis: States Key Partners	Aug. 13

REGULATORY

Are You Working With State Energy Officials?	April 74
Bachus Bill Gaining Steam	April 16
Bill Would Extend Response to Prop 65	June 13
DOT Registration Fees May Change	April 12
EPA Wants to Discuss Memo 1A Timing	Feb. 24
EPA's RMPs Will Cost Money, Time	May 36
EPACT Has Little Propane Price Impact	Nov. 12
Federal Product Liability Roadblock	Aug. 12
For Utah an Ounce of Prevention	April 54

FTC Permits Texaco, Shell, Saudi Alliance	Feb. 18
Hazmat Transportation Regs Now Intrastate	Nov. 18
Highway Bill Compromise Drafted	July 11
Manufactured Home Proposal Opportunities	Sept. 40
Missouri Legislative Progress	July 8
MTBE Phase-Out Studied in California	Dec. 11
New Bill Targets DOT's Cargo Tank Rule	Jan. 10
New Federal Tax Law May Boost Rural Growth	Jan. 30
New Jersey AVOIDS State RMP	Aug. 10
NFPA 58 Has New Name, Provisions	June 25
NPGA and Missouri on RMP	Nov. 13
NPGA Enhances D.C. Staff	April 40
NYPGA on DOT Preemption	Oct. 12
Ohio Outlaws Non-Owned Tank Filling	June 16
Railroad Commission Adopts Rebate Rules	Feb. 12
Regulatory Web Sites	Oct. 35
Risk Management Update	July 7
RMP Access	Oct. 42
RMP Relief in Florida Moves Forward	Dec. 12
RMPs: Fact and Fiction	Nov. 7
RMPs: Just the Facts	Nov. 34
RSPA Accepts Some Petitions on Cargo Tanks	Feb. 11
RSPA Investigates Cylinder Marking	Sept. 8
RSPA Names Advisory Committee	Sept. 24
RSPA Requires Hazmat Registration	July 12
RSPA Tank Truck Injunction Issued	March 26
Say "Goodbye" to Second Attendant	Dec. 10
Ticket Printers Coming to Tank Vehicles?	June 12
What You Should Know About Hours of Service	Dec. 32

SAFETY

1998 NFPA 58 Available	May 10
Amoco ROVER Training Dates	June 10
Bath Petroleum is Responsible Shipper	March 13
Chevron Safety Train on Tour	March 19
Gas Equipment Conducts 224 Seminars	March 31
Hawaii's Gas Company Presents Safety Awards	Feb. 54
Michigan Firms Build Hazmat Training Trailer	Feb. 54
NFPA Manufactured Housing Standard	Aug. 8
NFPA Okays OPDs, Votes No on Rooftop Installations	Jan. 14

NPGA on Brass Flexible Connectors	April 80
NPGA Refocuses Safety Outreach	April 67
Preventive Action Could Save This Winter	Nov. 28
Propane Resources Distributes Hazmat Books	March 12
RSPA Advisory Warns of Transporting Cans	Jan. 12
Vent Pipe Recall by CPSC	April 10

SUPPLY AND DEMAND

1997 Ends 1996's High Prices	March 22
API Illustrates 1997 Supply Advantage	March 22
BF Production Begins at Badami	Oct. 18
Canadian Supply Supports U.S.	Oct. 40
Columbia, Conoco Double Mid-Atlantic Terminal	Dec. 10
Construction to Begin on Dixie	March 9
Dixie Pipeline Makes Improvements	April 37
EIA Predicts Low Prices, Higher Bills	Dec. 15
El Niño's Impact on Propane Prices	Feb. 36
GPA Focus on the Future	June 37
GPA Looks at Underground Storage	July 31
Imperial Oil Plans Alberta Plant	Oct. 18
Koch Ends Propane Sales in Southeast	May 16
MAPCO Expands in Rockies	Aug. 11
Mitchell Cuts Production	Oct. 18
Mobil Switches Cavern to Butane	June 10
Mont Belvieu Averages Are Much Lower	June 9
New England Company Plans Tampa Terminal	May 35
Novagas Canada Builds Plant	July 12
Oil Production in the Gulf to Jump	Jan. 16
Petro Source Opens Albuquerque Terminal	April 14
PG&E Is a Leading Producer	Sept. 31
Producers: Is There Demand?	Sept. 33
Propane Inventories: 1969-98	Sept. 36
Propane Supply Looks Good	Oct. 27
Propane Train Runs Daily South of Border	Nov. 19
Sales Were Up for Most Companies	Jan. 35
TEPPCO Adds Planned Allocation	Jan. 12
TEPPCO's Belvieu Inventory Spec Problems	March 14
TransCanada, Amoco Plan Empress Plant	Sept. 18
TransTexas Starts Eagle Bay Production	Oct. 18
U.S. Balances World LPG Supply	Oct. 24

Get Peace of Mind...

At Control Chief, we understand compliance and productivity headaches. We have the solutions to create peace of mind.

The TeleChief system is designed with industrial strength materials, which gives you the flexibility to control multiple functions that include:

- Throttle
- Clutch
- PTO
- Reel
- Emergency Shut Down

Control Chief has been providing industrial remote controls for over 30 years. We are now rapidly becoming the leader of remote solutions; specifically the propane industry. Control Chief has been instrumental in making wireless remote controls affordable and understandable.



455 William Pitt Way • Pittsburgh, PA 15238
1-800-606-0687
www.control-chief.com

(Circle 57 on Reader's Service Card)

December 1998

HGX-3®

An additive for Propane that beats Acetylene, is easily blended and requires little investment to get started.

A 100 lbs./50 KG. cylinder of HGX Fuel Gas provides over 5 times the BTUs of a standard 5 cu. m. Acetylene cylinder. Now you really have something to offer cutting gas suppliers.

Here is what it means to you.

- Higher profit margins and a safe to handle alternative for Acetylene.
- No franchise fees to get started.

And your customer.

- Faster cutting travel speeds.
- Reduced slag formation.
- Safer and easier to use.
- Less cylinders to handle than Acetylene.



Automatic cutting of a 4" (10 cm.) bevel cut using an OXY/HGX Fuel Gas mixture.



The completed cut. Notice the smoothness of the cut surface, the lack of slag and spatter.



Advanced Technology International Corp.

PO Box 707, Oak Park, IL 60303 • Phone: 708-524-1880

• Fax: 708-524-2015 • www.ati-intl.com

HGX-3 is a registered trademark of Energy Additives, Inc.

(Circle 58 on Reader's Service Card)

33